

In the Claims:

Claims 1-16 (cancelled).

17. (re-presented – formerly independent claim 1) A method of calibrating a radio having a frequency source which reproduces a first signal having a first frequency by multiplying a second signal having an original frequency by a multiplier value, the method comprising:

a) determining the original frequency  
b) utilizing the original frequency to determine a corrected multiplier value  
c) producing an output signal having an output frequency approximately equal to a desired frequency by adjusting the multiplier value to the corrected multiplier value.

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18. (re-presented – formerly dependent claim 2) A method as claimed in claim 4 17 wherein step a) further includes the steps of:

a1) measuring the first frequency  
a2) dividing the first frequency by the multiplier value to obtain the original frequency.

19. (currently amended – represented - formerly dependent claim 3) A method as claimed in claim 4 17 wherein step b) further includes the steps of dividing the desired frequency by the original frequency to obtain the corrected multiplier value.

20. (re-presented – formerly dependent claim 4) A method as claimed in claim 4 17 further including the step of storing the original frequency in storage means.

21. (currently amended - represented – formerly dependent claim 5) A method as in claim 4 17 wherein the frequency source is first frequency is generated using a high resolution frequency synthesizer.

22. (represented – formerly dependent claim 6) A method as in claim 5 21 wherein the second signal is provided by a crystal oscillating at the original frequency.

23. (represented – formerly independent claim 7) A method of adjusting an output frequency of a signal produced by a frequency source, said frequency source producing the signal by multiplying an input signal having an original frequency by a multiplier value, the method comprising:

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- aa) measuring a preliminary frequency of the signal
- ab) adjusting the multiplier value based on a desired frequency and a measurement of the preliminary frequency to produce a corrected multiplier value
- ac) outputting a signal having an intermediate frequency based on the corrected multiplier value.
- ad) repeating steps aa) to ac) to obtain a final signal with a final frequency such that a difference between the final frequency and the desired frequency is a minimum.

24. (represented – formerly dependent claim 8) A method as claimed in claim 7 23 wherein the step ab) further includes a step chosen from the group comprising:

- ab1) incrementing the multiplier value by a preprogrammed value to obtain the corrected multiplier value if the preliminary frequency is lesser than the desired frequency

- ab2) decrementing the multiplier value by a preprogrammed value to obtain the corrected multiplier value if the preliminary frequency is greater than the desired frequency
- ab3) utilizing the multiplier value as the corrected multiplier value if the preliminary frequency is approximately equal to the desired frequency.

25. (represented – formerly dependent claim 9) A method as claimed in claim 7 23 further including the step of obtaining the original frequency by dividing the final frequency by the corrected multiplier value.

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26. (represented – formerly dependent claim 10) A method as claimed in claim 9 25 further including the step of storing the value of the original frequency in a storage means.

27. (represented – formerly independent claim 11) A device for adjusting an output frequency of a signal produced by a frequency source, the device comprising:

- a frequency source which produces the signal by multiplying:
  - an input signal having an input frequency and
  - a multiplier having a value
- a controller coupled to the frequency source, said controller controlling the value of the multiplier
- a frequency measurement device coupled to the frequency source, said frequency measurement device producing measurement data relating to the output frequency of the signal

wherein the controller is coupled to receive the measurement data produced by the frequency measurement device.

28. (represented – formerly dependent claim 12 - second occurrence) A device as claimed in claim ~~10~~ 27 wherein the frequency source is chosen from the group comprising:

- a high resolution frequency synthesizer
- a radio

29. (represented – formerly dependent claim 13) A device as claimed in claim ~~10~~ 27 wherein the controller is chosen from the group comprising:

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- a general purpose multiprocessor
- a microcontroller
- a general purpose personal computer

30. (represented – formerly dependent claim 14) A device as claimed in claim ~~10~~ 27 wherein the frequency source, the controller, and the frequency measurement device are implemented on a single application specific integrated circuit.

31. (represented – formerly dependent claim 15) A device as claimed in claim ~~10~~ 27 further including storage means for storing the input frequency.

32. (currently amended - represented – formerly dependent claim 16) A device as claimed in claim ~~10~~ 27 wherein the frequency measurement device is connected at the output of the frequency source to measure measures the output frequency of the signal.

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In the Drawings:

Permission is requested to amend Figure 2 of drawings as marked on the attached copy.